

Name \_\_\_\_\_

## **E-Sheet: The World of Color, Theater, and Photography Connecting Our Life to the Web: Post-Session**

Now it's time to make even more connections to our world by seeing how light connects to the world of color, photography, and theater. Let's see what we can find out! For this adventure, choose the topic you want to explore and move through the sites to research your topic.

### **Sites to Explore: Color and Rainbows**

**Additive Properties of Light:** Have you ever looked at a rainbow and wonder how the colors got there? Have you ever wondered why you see the color of a shirt? This site explains the additive property of light. <http://library.thinkquest.org/50065/science/properties.html>

**Aurora Painting in the Sky:** This site geared for 6<sup>th</sup> -12<sup>th</sup> grade students lets students study the Aurora phenomena. Great spin off to light and what causes the colors in the sky. [http://cse.ssl.berkeley.edu/SII/lessons/auroras\\_summ.html](http://cse.ssl.berkeley.edu/SII/lessons/auroras_summ.html) OR [http://www.exploratorium.edu/learning\\_studio/auroras/](http://www.exploratorium.edu/learning_studio/auroras/) (for grades 4-12).

**Explore Science: Virtual Prism** Use this image to see the wave frequencies different colors move at and how white light creates a rainbow of color. <http://webphysics.ph.msstate.edu/javamirror/explrsci/dswmedia/prism.htm>

**Brain Pop Movie:** Brain Pop has excellent movies that you can view daily with a limit of two per day. For full use viewing rights your school or home may want to subscribe for the year. Site contains videos across the curriculums. Check out the video on rainbows! <http://www.brainpop.com/science/electricity/electricity/index.weml>

### **Sites to Explore: Photography**

**ERIC Lesson Plans: Making a Pinhole Coffee Camera:** This lesson plan is written for students grades 6-12 to learn how to create a camera out of a coffee can and to see the connection to the concept of light. [http://askeric.org/cgi-bin/printlessons.cgi/Virtual/Lessons/Science/Process\\_Skills/SPS0042.html](http://askeric.org/cgi-bin/printlessons.cgi/Virtual/Lessons/Science/Process_Skills/SPS0042.html)

**KidKonnnect: Light and Sound:** New site written with the elementary and intermediate student in mind. <http://www.kidskonnnect.com/LightSound/LightSoundHome.html>

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### **Sites to Explore: Theater**

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<http://www.brainpop.com/science/electricity/electricity/index.weml>

Record below a paragraph summary of what you learned from your study:

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